EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	12	@pd<"20030910" and 429/129.ccls. and (fuel cell) and resin	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/20 10:20
L2	599	@pd<"20030910" and (separator or bipolar plate or fuel flow plate or fluid flow plate) and (metal$3 near3 substrate) and ((resin or polymer) near3 (film or layer))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/20 10:23
L3	14	@pd<"20030910" and (separator or bipolar plate or fuel flow plate or fluid flow plate) same (metal$3 near3 substrate) same ((resin or polymer) near3 (film or layer))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/20 10:23
L4	2	@pd<"20030910" and (separator plate or bipolar plate or fuel flow plate or fluid flow plate) same (metal$3 near3 substrate) same ((resin or polymer) near3 (film or layer))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/20 10:24
L5	1	("6103413").PN.	USPAT; USOCR	OR	OFF	2010/01/20 10:26
L6	37	("4505992" | "4900643" | "5556627" | "5620807" | "5702755" | "5798188" | "5800946").PN. OR ("6103413").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/20 10:26
L7	1	("20040076863").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/20 10:41

L8	63	("20020001743" | "3012086" | "3134696" | "3134697" | "3188242" | "3497389" | "3623913" | "4098967" | "4175165" | "4265727" | "4545926" | "4565684" | "4572813" | "4575432" | "4610808" | "4663230" | "4824871" | "4832990" | "4885457" | "4938833" | "4988583" | "5024818" | "5165909" | "5183594" | "5194307" | "5223568" | "5250228" | "5272017" | "5352289" | "5468574" | "5475048" | "5498372" | "5521018" | "5565072" | "5578388" | "5591382" | "5591832" | "5629098" | "5677074" | "5679482" | "5709957" | "5728283" | "5741609" | "5750197" | "5798188" | "5830326" | "5904797" | "5952118" | "6103413" | "6132851" | "6146780" | "6183714" | "6248467" | "6251308" | "6261710" | "6281275" | "6372376"). PN. OR ("7138203"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/20 11:12
L9	3611	(Hayakawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/20 12:32
L10	631	(Hayakawa).in. and conductive	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/20 12:32
L11	4	(Hayakawa).in. and (conductive with blended amount)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/20 12:33
L12	1	l7 and thick$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/20 14:32
S1	14	@pd<"20030910" and (separator or bipolar plate) and (multiple near3 resin near3 (layer or film))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:14
S2	9	("2811572" | "2902530" | "3520729" | "3880672"). PN. OR ("4041219"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:26

S3	211	@pd<"20030910" and (separator or bipolar plate) and ((first or second or third) near3 resin near3 (layer or film))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:29
S4	209	@pd<"20030910" and (separator or bipolar plate) and ((first or second or third) near3 resin near3 (layer or film)) not S1	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:29
S5	48	@pd<"20030910" and (separator or bipolar plate) and ((first or second or third) near3 resin near3 (layer or film)) not S1 and 429/1-255. ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:30
S6	14	@pd<"20030910" and (separator or bipolar plate) same ((first or second or third) near3 resin near3 (layer or film)) not S1 and 429/1-255. ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:34
S7	1	("2001/0005560").URPN.	USPAT	ADJ	ON	2009/08/02 18:35
S8	1324	@pd<"20030910" and (separator or bipolar plate).ti. and 429/1-255. ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:44
S9	9	@pd<"20030910" and ((separator or bipolar plate) with layers).ti. and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:45
S10	2223	@pd<"20030910" and (separator or bipolar plate) same (metal substrate or stainless steel or titanium or steel or aluminum or copper or nickel) same ((plated or layer or film) with (nickel or tin or copper or titanium or gold or platinum or silver or palladium or ni or sn or cu or ti or au or pt or ag or pd))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 20:13

S11	659	@pd<"20030910" and (separator or bipolar plate) with (metal substrate or stainless steel or titanium or steel or aluminum or copper or nickel) with ((plated or layer or film) with (nickel or tin or copper or titanium or gold or platinum or silver or palladium or ni or sn or cu or ti or au or pt or ag or pd))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 20:13
S12	14	@pd<"20030910" and (separator or bipolar plate) with (metal substrate or stainless steel or titanium or steel or aluminum or copper or nickel) with ((plated or layer or film) with (nickel or tin or copper or titanium or gold or platinum or silver or palladium or ni or sn or cu or ti or au or pt or ag or pd)) with (rough$4 or etch $3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 20:14
S13	200	@pd<"20030910" and (separator or bipolar plate) with (conductive filler or carbon fiber or carbon black or carbon) with resin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 20:47
S14	47	@pd<"20030910" and ((separator or bipolar plate) with (conductive filler or carbon fiber or carbon black or carbon) with resin) same (by volume or wt or weight)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 20:48
S15	1	@pd<"20030910" and (separator or bipolar plate) with (carbon fiber with diameter with length)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:04
S16	525	@pd<"20030910" and (separator or bipolar plate) with (carbon black)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:12

S17	25	@pd<"20030910" and ((separator or bipolar plate) with (carbon black) with conductive) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:12
S18	1352	@pd<"20030910" and ((separator or bipolar plate) near3 (thickness)) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:20
S19	17	@pd<"20030910" and ((separator or bipolar plate) near3 (thickness) near3 micrometer) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:21
S20	72	@pd<"20030910" and ((bipolar plate or separator) same (resin near3 thick$4)) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:23
S21	25	@pd<"20030910" and ((bipolar plate or separator) with (resin near3 thick$4)) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:24
S22	1	("20030129471").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/02 22:25
S23	1	S22 and thick$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:26
S24	0	@pd<"20030910" and ((bipolar plate or separator) same (resin near3 thick$4 with optimiz$4)) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 23:11
S25	6	@pd<"20030910" and ((bipolar plate or separator) same (resin near3 thick$4) same (optimiz$7 or improve$4)) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 23:12
S26	280	@pd<"20030910" and 429/129.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 13:03
S27	62	@pd<"20030910" and 429/129.ccls. and (fuel cell or electrochemical cell)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 13:03
S28	23	@pd<"20030910" and 429/129.ccls. and (fuel cell)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 13:06

S30	15	("3655449" | "3953241" | "4650730" | "4888256" | "5376477" | "5441824" | "5453333" | "5691047" | "5691077" | "5952120" | "5981107" | "5993999" | "6080507" | "6136471"). PN. OR ("6562511"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 13:37
S31	14	@pd<"20030910" and (separator or bipolar plate or fluid flow plate) and (multiple near3 resin near3 (layer or film))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 13:55
S32	35	(separator or bipolar plate or fluid flow plate) and (multiple near3 resin near3 (layer or film))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 13:56
S33	2	(separator or bipolar plate or fluid flow plate) and (multiple near3 resin near3 (layer or film)) and fuel cell	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/19 13:56
S34	1	("20050026025").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/19 14:02
S35	1	("6103413").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/19 14:03
S36	37	("4505992" | "4900643" | "5556627" | "5620807" | "5702755" | "5798188" | "5800946").PN. OR ("6103413").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 15:13
S37	30	("6103413").URPN.	USPAT	ADJ	ON	2010/01/19 15:13
S38	279	(amount with conductive with resistivity with (alter or change or increas$3 or decreas$3))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 16:08
S39	1	(conductive particles near3 amount near3 (alter or change or increas$3 or decreas$3) near3 (resisitivity or resistance))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 16:11
S40	67	(conductive near3 amount near3 (alter or change or increas$3 or decreas$3) near3 (resisitivity or resistance))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 16:11

S41	29	@pd< "20030910" and (separator or bipolar plate or fuel flow plate or fluid flow plate) and (metal substrate with support)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 16:58
S42	48	@pd< "20030910" and (separator or bipolar plate or fuel flow plate or fluid flow plate) and (metal substrate with support$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 16:58
S43	21	@pd< "20030910" and (separator or bipolar plate or fuel flow plate or fluid flow plate) and (metal substrate with support$3) and (metal substrate with (nickel or tin or copper or titanium or gold or platinum or silver or palladium or aluminum or copper or steel))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 16:59
S44	2	@pd< "20030910" and (separator or bipolar plate or fuel flow plate or fluid flow plate) and (metal substrate with support$3) and (metal substrate with (nickel or tin or copper or titanium or gold or platinum or silver or palladium or aluminum or copper or steel)) and (metal substrate with rough$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 17:00
S45	1	@pd< "20030910" and (separator or bipolar plate or fuel flow plate or fluid flow plate) with (metal substrate with support$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 17:02
S46	156	@pd< "20030910" and (separator or bipolar plate or fuel flow plate or fluid flow plate) with (substrate with support$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 17:02
S47	33	@pd< "20030910" and (separator or bipolar plate or fuel flow plate or fluid flow plate) near3 substrate near3 support$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/19 17:05

S48	5	@pd<"20030910" and ((separator or bipolar plate or fuel flow plate or fluid flow plate) near3 substrate near3 support $3) and fuel cell	US-PGPUB; USPAT; USOCR	ADJ		ON	2010/01/19 17:06
S49	38	@pd<"20030910" and ((separator or bipolar plate or fuel flow plate or fluid flow plate) near3 substrate) and (substrate with support$3) and fuel cell	US-PGPUB; USPAT; USOCR	ADJ		ON	2010/01/19 17:10
S50	13	@pd<"20030910" and ((separator plate or bipolar plate or fuel flow plate or fluid flow plate) near3 substrate) and (substrate with support $3) and fuel cell	US-PGPUB; USPAT; USOCR	ADJ		ON	2010/01/19 17:26
S51	8	@pd<"20030910" and ((separator plate or bipolar plate or fuel flow plate or fluid flow plate) near3 metal$3 substrate)	US-PGPUB; USPAT; USOCR	ADJ		ON	2010/01/19 17:31
S52	0	@pd<"20030910" and ((separator plate or bipolar plate or fuel flow plate or fluid flow plate) near10 metal$3 substrate) not S51	US-PGPUB; USPAT; USOCR	ADJ		ON	2010/01/19 17:36
S53	0	@pd<"20030910" and ((separator plate or bipolar plate or fuel flow plate or fluid flow plate) near9 metal$3 substrate) not S51	US-PGPUB; USPAT; USOCR	ADJ		ON	2010/01/19 17:36
S54	14	@pd<"20030910" and ((separator plate or bipolar plate or fuel flow plate or fluid flow plate) with substrate with metal) and fuel cell	US-PGPUB; USPAT; USOCR	ADJ		ON	2010/01/19 17:37

EAST Search History (Interference)

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